

Attorney's Docket No.: 17023-035001 / 04024

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul B. McCrary, Jr. et al.

Art Unit : 1636

Serial No.: 10/718,262

Examiner: David Guzo

Filed

: November 20, 2003

Title

: METHODS FOR PRODUCING AND USING IN VIVO PSEUDOTYPED

RETROVIRUSES USING ENVELOPE GLYCOPROTEINS FROM

LYMPHOCYTIC CHORIOMENINGITIS VIRUS (LCMV)

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL

The following correspondence relating to this application is enclosed for filing:

- 1. Information Disclosure Statement (1 page);
- 2. Form PTO-1449 (5 pages);
- 3. Copies of Cited References (73 references); and
- 4. A Return Postcard.

Please date stamp and return the enclosed postcard. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Ann S. Viksnins Reg. No. 37,748

Fish & Richardson P.C., P.A. 60 South Sixth Street, Suite 3300 Minneapolis, MN 55402

(612) 335-5070 telephone

(612) 288-9696 facsimile

60267603.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit Signature

Typed or Printed Name of Person Signing Certificate





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul B. McCrary, Jr. et al.

Art Unit : 1636

Serial No.: 10/718,262

Examiner: David Guzo

Filed

: November 20, 2003

Title

: METHODS FOR PRODUCING AND USING IN VIVO PSEUDOTYPED

RETROVIRUSES USING ENVELOPE GLYCOPROTEINS FROM

LYMPHOCYTIC CHORIOMENINGITIS VIRUS (LCMV)

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed.

This statement is being filed before the receipt of a first Office Action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

yanuan

Ann S. Viksnins Reg. No. 37,748

Fish & Richardson P.C., P.A. 60 South Sixth Street, Suite 3300

Minneapolis, MN 55402 Telephone: (612) 335-5070 Facsimile: (612) 288-9696

60261256.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 4

Date of Deposit

Signature

Lisa M. Becker

Typed or Printed Name of Person Signing Certificate

Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 17023-035001

Application No. 10/718,262

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

Applicant Paul B. McCrary, Jr. et al.

Filing Date

Group Art Unit

Substitute Disclosure Form (PTO-1449)

CFR §1.98(b))

November 20, 2003

1636

	U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate		
	AA	5,512,421	04/30/96	Burns et al.					
	AB	5,643,756	07/01/97	Kayman et al.					
	AC	5,654,195	08/05/97	Sodroski et al.					
	AD	5,670,354	09/23/97	Burns et al.					
	AE	5,693,509	12/02/97	Cotten et al.					
	AF	5,711,964	01/27/98	Dattagupta et al.					
	AG	5,739,271	04/14/98	Sridhar et al.					
	AH	6,440,730	08/27/02	Von Laer et al.					
,	AI	6,531,123	03/11/03	Chang		· ·			
	AJ	6,589,763	07/08/03	Von Laer et al.					

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Desig. Document Publication Country or						slation		
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AK	WO 98/44788	10/15/98	PCT				2

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner	Desig.						
Initial	ID	Document					
	AL	GenBank Accession No. V00878 dated 02/25/03					
·	AM	Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," Nucl. Acids. Res., 1997, 25 (17):3389-3402					
	AN	Altschul et al., "Basic Local Alignment Search Tool," J. Mol. Biol., 1990, 215:403-410					
	AO	Alvarez-Buylla et al., "Identification of neural stem cells in the adult vertebrate brain," <u>Brain Res.</u> <u>Bull.</u> , 2002, 57(6):751-758					
	AP	Beyer et al., "Oncoretrovirus and Lentivirus Vectors Pseudotyped with Lymphocytic Choriomeningitis Virus Glycoprotein: Generation, Concentration, and Broad Host Range," J. Virol., 2002, 76(3):1488-1495					
	AQ	Beyer et al., "Recombinant Expression of Lymphocytic Choriomeningitis Virus Strain WE Glycoproteins: a Single Amino Acid Makes the Difference," J. Virol., 2001, 75(2):1061-1064					
	AR	Boshart et al., "A Very Strong Enhancer Is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," Cell, 1985, 41:521-530					
	AS	Buchmeier et al., "Arenaviridae: The Viruses and Their Replication," Fields Virology, 4 th ed., 2001, Knipe and Howley (eds.), Lippincott Williams & Wilkins, Vol. 2, pp. 1635-1668					

Examiner Signature	Date Considered
EVANABIED: Initials situation assertanced Describes the station if a	
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	it in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17023-035001	Application No. 10/718,262	
	closure Statement	Applicant Paul B. McCrary, Jr. et al.		
JAN 0 6 2005 5 by A Use several (437 CFR \$1.980b))	sheets if necessary)	Filing Date November 20, 2003	Group Art Unit 1636	

Initial ID Document Burns et al., "Vesicular stomatitis virus G glycoprotein pseudotyped retroviral vectors: Concentration to very high titer and efficient gene transfer into mammalian and nonmammalian cells," Proc. Natl. Acad. Sci. USA, 1993, 90:8033-8037 AU Ca et al., "Identification of co-Dystroglycan as a Receptor for Lymphocytic Choriomeningitis Vir and Lassa Fever Virus," Science, 1998, 282:2079-2081 AV Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virol., 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G proteir of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ Inacivated by Human Serum," Mol. Ther., 2000, 2:218-222 AAA Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Brain," Cell, 1999, 97(6):703-716 ACC Sci. USA, 1999, 96(20):11619-11624 ADD Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Divisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gwitzt, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells. 1993, 11(Suppl. 3):96-103 AFF Goman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced in a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1999, 95:859-870 AJJ Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJI Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," C			ocuments (include Author, Title, Date, and Place of Publication)
Burns et al., "Vesicular stomatitis virus G glycoprotein pseudotyped retroviral vectors: Concentration to very high titer and efficient gene transfer into mammalian and nonmammalian cells," Proc. Natl. Acad. Sci. USA, 1993, 90:8033-8037 AU AU Cao et al., "Identification of ce-Dystroglycan as a Receptor for Lymphocytic Choriomeningitis Vir and Lassa Fever Virus," Science, 1998, 282:2079-2081 AV Chang et al., "Human Immunodeficiency Viruses Containing Heterologous Enhancer/Promoters A Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virol., 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G protein of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Colver et al., "Unithligh sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Unithligh sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO L., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Suprentricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Distit et al., "Pive Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Go	Examiner Initial		Document
AT Concentration to very high titer and efficient gene transfer into mammalian and nonmammalian cells," Proc. Natl. Acad. Sci. USA, 1993, 90:8033-8037 AU Cao et al., "Identification of & Dystroglycan as a Receptor for Lymphocytic Choriomeningitis Vin and Lassa Fever Virus," Science, 1998, 282:2079-2081 AV Chang et al., "Human Immunodeficiency Viruses Containing Heterologous Enhancer/Promoters & Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virol., 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G protein of viscicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX [6:10881-10891] AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ Inactivated by Human Serum," Mol. Ther., 2000, 2:18-222 AAA Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Sci. USA, 1999, 96(20):11619-11624 ADD Distit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewittz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce in a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 199-9:6377-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar	miliai		
cells," Proc. Natl. Acad. Sci. USA, 1993, 90:8033-8037 AU Cao et al., "Identification of & Dystroglycan as a Receptor for Lymphocytic Choriomeningitis Vir and Lassa Fever Virus," Science, 1998, 282:2079-2081 AV Chang et al., "Human Immunodeficiency Viruses Containing Heterologous Enhancer/Promoters & Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virola, 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G proteir of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Brain," Cell. 1999, 97(6):703-716 ACC Coetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 Duisi et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of Cellular pathways," J. Gene Med., 2001, 3:517-528 Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways,"		AT	
AU Cao et al., "Identification of α-Dystroglycan as a Receptor for Lymphocytic Choriomeningitis Vir and Lassa Fever Virus," Science, 1998, 282:2079-2081 AV Chen et al., "Human Immunodeficiency Viruses Containing Heterologous Enhancer/Promoters A Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virol., 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G protein of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Brain," Cell, 1998, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad. Sci. USA, 1999, 96(20):11619-11624 ADD Jusist et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE (Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Gorff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 19879:6777-6781 AHH Grossman et al., "Nat. Genet., 1994, 6:335-341 Henry and Campbell, "Nat. Genet., 1994, 6:335-341 Henry and Campbell, "Nat. Ge		***	
AU and Lassa Fever Virus," Science, 1998, 282:2079-2081 AV Chang et al., "Human Immunodeficiency Viruses Containing Heterologous Enhancer/Promoters A Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virol., 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G proteir of vesticular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Colning and expression of the chromosomal immune interferon gene of the rat," EMBO_1, 1985, 4(3):761-767 ABB Brain," Cell. 1999, 97(6):703-716 ACC Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell., 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad. Sci. USA, 1999, 96(20):11619-11624 ADD Distit et al., "Pive Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(5):ppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "The Rous Sarcoma virus long terminal repeat is a strong promoter when introduce into			
AV Chang et al., "Human Immunodeficiency Viruses Containing Heterologous Enhancer/Promoters A Replication Competent and Exhibit Different Lymphocyte Tropisms," L. Virio, 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G protein of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 AAA Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1983, 4(3):761-767 ABB Detesch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Sci. USA, 1999, 96(20):11619-11624 ADD Distit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gevitz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukeniss," Stem Cells, 1993, 11(Suppl. 3):96-103 Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1996, 5777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AHH Grossman et al., "Fast and sensitive multiple sequence alignments on a microcomputer," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Oystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins et al., "CLUSTAL: a		AU	
Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virol., 1993, 67:743-752 Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G protein AW of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl.) 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198, 79:6777-6781 AHH Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 5:859-870 AJJ Henry and Campbell, "A Role for Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," Cablos, 1989, 5(2):151-153 ALL Independent of Dividing and Nondividing Proc. Natl.			
Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G proteir of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Discource at al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Dissit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Spioliation of Cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198, 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Psystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Cablos, 1989, 5(2):151-153 Henry and Campbell		AV	
AW of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062 AX lorpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Duist et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewitz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 196, 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 ALL Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CAB			
Sci. USA, 1996, 93:10057-10062 AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," I. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 19879:6777-6781 AHH Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 ALL Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Labetton et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Cabios, 1998, 11:602-607 Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Cabios, 1998, 19:235-237-244 AMH Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		l aw	
AX Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891 AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 AAA Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1987;6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parkin		1111	
AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Distit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165			
AY Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109 AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Dijkema et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Capicomputer," Capicomputer, "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		AX	
AZ DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222 Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Dijkema et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		437	
AAA Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD District et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 19879:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		AY	
Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Disit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		A7.	
AAA EMBO J., 1985, 4(3):761-767 ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Dissit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1987-79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		1.2	
ABB Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Can Migigins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165			
Brain," Cell, 1999, 97(6):703-716 ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK CABIOS, 1989, 5(2):151-153 ALL Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene., 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		7000	
ACC Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad Sci. USA, 1999, 96(20):11619-11624 ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1987:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK CABIOS, 1989, 5(2):151-153 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		ARR	
ACC Sci. USA, 1999, 96(20):11619-11624 ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1987-9:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		ADD	
ADD Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1987-79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		ACC	
Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454 AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Lengton et al., "Minimum Requirements for Efficient Transduction of Dividing and Nondividing		ACC	
AEE Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198, 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		ADD	
AFE 11(Suppl. 3):96-103 AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198-79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		1100	
AFF Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		AEE	
AFF exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528 Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduce into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		1100	
Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 19879:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Lebuston et al. "Minimum Requirements for Efficient Transduction of Dividing and Nondividing	•	AFF	
AGG into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 198 79:6777-6781 AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		1	exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528
AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Johnston et al. "Minimum Requirements for Efficient Transduction of Dividing and Nordividing			
AHH Grossman et al., "Successful ex vivo gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Johnston et al. "Minimum Requirements for Efficient Transduction of Dividing and Nordividing		AGG	
AHH hypercholesterolaemia," Nat. Genet., 1994, 6:335-341 Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Johnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing			
AII Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165		АНН	
All 95:859-870 AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Lohnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing			
AJJ Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607 AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Lohnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing		AII	
AKK Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153 ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Lohnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing			95:859-870
ALL ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Lohnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing		AJJ	Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607
ALL ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Lohnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing			Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer"
ALL Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Johnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing		AKK	
ALL microcomputer," Gene, 1988, 73:237-244 AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Johnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nordividing		-	
AMM Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165 Johnston et al. "Minimum Requirements for Efficient Transduction of Dividing and Nordividing		ALL	
Johnston et al. "Minimum Requirements for Efficient Transduction of Dividing and Nondividing		A N 4 N 4	
Lohnston et al. "Minimum Requirements for Efficient Transduction of Dividing and Mondividing		AMM	
		ANN	Johnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nondividing
Cells by Feline Immunodeficiency Virus Vectors," <u>J. Virol.</u> , 1999, 73(6):4991-5000			Cells by Feline Immunodeficiency Virus Vectors," <u>J. Virol.</u> , 1999, 73(6):4991-5000

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17023-035001	Application No. 10/718,262	
	closure Statement	Applicant Paul B. McCrary, Jr. et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date November 20, 2003	Group Art Unit 1636	

Examiner	Desig.	
Initial	ID ID	Document
	AOO	Kang et al., "In Vivo Gene Transfer Using a Nonprimate Lentiviral Vector Pseudotyped with Ross River Virus Glycoproteins," J. Virol., 2002, 76(18):9378-9388
	APP	Karlin and Altschul, "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes," Proc. Natl. Acad. Sci. USA, 1990, 87:2264-2268
	AQQ	Karlin and Altschul, "Applications and statistics for multiple high-scoring segments in molecular sequences," Proc. Natl. Acad. Sci. USA, 1993, 90:5873-5877
	ARR	Kasid et al., "Human gene transfer: Characterization of human tumor-infiltrating lymphocytes as vehicles for retroviral-mediated gene transfer in man," <u>Proc. Natl. Acad. Sci. USA</u> , 1990, 87:473-477
	ASS	Kenyon et al., "Aerosol Infection of Rhesus Macaques with Junin Virus," <u>Intervirology</u> , 1992, 33:23-31
	ATT	Kim et al., "Use of the human elongation factor 1α promoter as a versatile and efficient expression system," Gene, 1990, 91:217-223
	AUU	Lehninger, "The amino acid building blocks of proteins," <u>Biochemistry</u> , 2 nd edition, 1975, The Johns Hopkins University School of Medicine, pp. 73-75
	AVV	Lever, "HIV and other lentivirus-based vectors," Gene Therapy, 1996, 3:470-471
	AWW	Maniatis et al., "Regulation of Inducible and Tissue-Specific Gene Expression," <u>Science</u> , 1987, 236:1237-1245
	AXX	Mann et al., "Construction of a Retrovirus Packaging Mutant and Its Use to Produce Helper-Free Defective Retrovirus," Cell, 1983, 33:153-159
-	AYY	Markowitz et al., "A Safe Packaging Line for Gene Transfer: Separating Viral Genes on Two Different Plasmids," J. Virol., 1988, 62(4):1120-1124
•	AZZ	Meinkoth and Wahl, "Hybridization of Nucleic Acids Immobilized on Solid Supports," Anal. Biochem., 1984, 138:267-284
	AAAA	Miletic et al., "Retroviral Vectors Pseudotyped with Lymphocytic Choriomeningitis Virus," <u>J. Virol.</u> , 1999, 73(7):6114-6116
	ABBB	Miller, "Human gene therapy comes of age," Nature, 1992, 357:455-460
	ACCC	Miller, "Cell-surface receptors for retroviruses and implications for gene transfer," <u>Proc. Natl. Acad Sci. USA</u> , 1996, 93:11407-11413
	ADDD	Mizushima and Nagata, "pEF-BOS, a powerful mammalian expression vector," Nucl. Acids Res., 1990, 18(17):5322
	AEEE	Myers and Miller, "Optimal alignments in linear space," CABIOS, 1988, 4(1):11-17
. ,	AFFF	Neckers and Whitesell, "Antisense technology: biological utility and practical considerations," Amer. J. Physiol., 1993, 265:L1-L12
	AGGG	Needleman and Wunsch, "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," J. Mol. Biol., 1970, 48:443-453
	АННН	Park et al., "Therapeutic levels of human factor VIII and IX using HIV-1-based lentiviral vectors in mouse liver," <u>Blood</u> , 2000, 96(3):1173-1176
	AIII	Pearson and Lipman, "Improved tools for biological sequence comparison," <u>Proc. Natl. Acad. Sci. USA</u> , 1988, 85:2444-2448
	AJJJ	Pearson et al., "Using the FASTA Program to Search Protein and DNA Sequence Databases," Meth Mol. Biol., 1994, 24:307-331
Examiner Sign	ature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17023-035001	Application No. 10/718,262	
l .	closure Statement	Applicant Paul B. McCrary, Jr. et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date November 20, 2003	Group Art Unit 1636	

	Other Do	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
	AKKK	Rosenberg, "Human Gene Marker/Therapy Clinical Protocols," <u>Human Gene Therapy</u> , 1994, 5(1):140
	ALLL	Russell and Miller, "Foamy Virus Vectors," J. Virol., 1996, 70(1):217-222
1	AMMM	derived from human and nonhuman primates," Blood, 2002, 100(3):823-832
	ANNN	Schauber et al., "Lentiviral vectors pseudotyped with baculovirus gp64 efficiently transduce mouse cells in vivo and show tropism restriction against hematopoietic cell types in vitro," Gene Ther., 2004, 11:266-275
-	A000	Schwartz et al., "Distinct RNA Sequences in the gag Region of Human Immunodeficiency Virus Type 1 Decrease RNA Stability and Inhibit Expression in the Absence of Rev Protein," J. Virol., 1992, 66(1):150-159
	APPP	Sinn et al., "Lentivirus Vectors Pseudotyped with Filoviral Envelope Glycoproteins Transduce Airway Epithelia from the Apical Surface Independently of Folate Receptor Alpha," <u>J. Virol.</u> , 2003, 77(10):5902-5910
	AQQQ	Smith and Waterman, "Comparison of Biosequences," Adv. Appl. Math., 1981, 2:482-489
	ARRR	Spiropoulou et al., "New World Arenavirus Clade C, but Not Clade A and B Viruses, Utilizes α-Dystroglycan as Its Major Receptor," J. Virol., 2002, 76(10):5140-5146
	ASSS	Steffy and Wong-Staal, "Genetic Regulation of Human Immunodeficiency Virus," Microbiol. Rev., 1991, 55:193-205
	ATTT	Stein et al., "In Vivo Treatment of Hemophilia A and Mucopolysaccharidosis Type VII Using Nonprimate Lentiviral Vectors," Mol. Ther., 2001, 3:850-856
	AUUU	Stewart et al., "Lentiviral delivery of HIV-1 Vpr protein induces apoptosis in transformed cells," <u>Proc. Natl. Acad. Sci. USA</u> , 1999, 96(21):12039-12043
	AVVV	Stryer, "Conformation and Dynamics," <u>Biochemistry</u> , 2 nd edition, 1981, W.H. Freeman and Co., San Francisco, pp. 14-15
	AWWW	Subbramanian and Cohen, "Molecular Biology of the Human Immunodeficiency Virus Accessory Proteins," J. Virol., 1994, 68(11):6831-6835
•	AXXX	Talbott et al., "Nucleotide sequence and genomic organization of feline immunodeficiency virus," <u>Proc. Natl. Acad. Sci. USA</u> , 1989, 86:5743-5747
	AYYY	Trono et al., "HIV Accessory Proteins: Leading Roles for the Supporting Cast," Cell, 1995, 82:189-192
	AZZZ	Uetsuki et al., "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1α," <u>J. Biol. Chem.</u> , 1989, 264:5791-5798
	AAAAA	Voss et al., "The role of enhancers in the regulation of cell-type-specific transcriptional control," <u>Trends Biochem. Sci.</u> , 1986, 11:287-289
	ABBBB	Wang et al., "Feline immunodeficiency virus vectors persistently transduce nondividing airway epithelia and correct the cystic fibrosis defect," J. Clin. Invest., 1999, 104:R55-62
	ACCCC	Watson et al., "Targeted Transduction Patterns in the Mouse Brain by Lentivirus Vectors Pseudotyped with VSV, Ebola, Mokola, LCMV, or MuLV Envelope Proteins," Mol. Ther., 2002, 5(5):528-537

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	t in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) Patent and Trademark Office		Attorney's Docket No. 17023-035001	Application No. 10/718,262	
	closure Statement	Applicant Paul B. McCrary, Jr. et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date November 20, 2003	Group Art Unit 1636	

Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner	Desig.		
Initial	ID	Document	
	ADDDD	White et al., "Airway Epithelial Cell Wound Repair Mediated by α-Dystroglycan," <u>Am. J. Respir.</u> Cell Mol. Biol., 2001, 24:179-186	
	AEEEE	Yamada et al., "Nanoparticles for the delivery of genes and drugs to human hepatocytes," <u>Nature</u> <u>Biotechnology</u> , 2003, 21(8):885-890	

Examiner Signature	Date Considered			
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with				
next communication to applicant.				